

WHAT IS CLAIMED IS

1. A fuel injection apparatus for a marine engine in which pressure of fuel within a fuel tank is increased in by a low pressure fuel pump, and said fuel is supplied into a vapor separator within which a fixed fuel liquid surface is formed, and pressure of fuel within the vapor separator is increased by a pump portion of a high pressure electric pump, and said fuel is supplied toward a fuel injection valve arranged so as to face to the engine through a motor portion arranged within the electric pump,

wherein said high pressure electric pump (HP) is provided with a pump portion (P) and a motor portion within a pump housing (1), said motor portion is formed as a brushless motor portion, and the outer periphery of a drive coil (6B) in the brushless motor portion fixedly arranged within the pump housing (1) is molded with a resin material (G).